# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 20 | Lee-Sung.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/21 18:13 |
| L2 | 33 | Lee-Sung-Hwa.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/21 18:13 |
| L6 | 16 | Eom-Yoon-Seob.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/21 18:14 |
| S1 | 16 | (flow same (spreading or diffusing) same (mechanism or device or apparatus)).ttl. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 11:17 |
| S2 | 225 | "454".clas. and refrigerator and (diffuser or outlet) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 11:51 |
| S3 | 357 | "454".clas. and air and diffusion and plate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 11:53 |
| S4 | 7 | S3 and refrigerator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 11:51 |
| S5 | 1 | "454".clas. and air and "blunt body" and plate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 13:51 |

| S6 | 48 | "454".clas. and air and columnar and plate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 11:54 |
|---|---|---|---|---|---|---|
| S7 | 10 | ("4326452" \| "4327869").PN. OR ("4556172").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 12:03 |
| S8 | 2 | ("6135629").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/20 13:38 |
| S9 | 2 | ("20010053108").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/20 13:40 |
| S10 | 7 | "454".clas. and diffuser and turbulence and vortices | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 13:52 |
| S11 | 648 | 239/590.5.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 15:04 |
| S12 | 331 | 239/461.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 18:21 |
| S13 | 108 | S12 and air | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 15:08 |
| S14 | 148 | "239".clas. and refrigerator and air | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 15:08 |

# EAST Search History

| S15 | 501 | 454/284.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 16:02 |
|-----|-----|---------------|---------------------------------------------------|----|----|----|
| S16 | 1 | "454".clas. and "bluff body" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 15:17 |
| S17 | 110 | 454/299.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 16:16 |
| S18 | 316 | 454/305.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 16:58 |
| S19 | 2059 | (diffuser).ttl. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 16:58 |
| S20 | 3 | S19 and refrigerator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:09 |
| S21 | 7 | S19 and columnar | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:01 |
| S22 | 590 | S19 and plate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:01 |

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|---|---|---|---|---|---|---|
| S23 | 159 | S19 and cylinder | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:07 |
| S24 | 45 | S19 and "air conditioner" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:02 |
| S25 | 0 | S23 and "air conditioner" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:07 |
| S26 | 11 | S23 and "air conditioning" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:07 |
| S27 | 22 | JP and "151108" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:11 |
| S28 | 43 | "151108" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:12 |
| S29 | 52 | ruscheweyh.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/21 18:00 |
| S30 | 5 | S29 and "heat exchanger" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 17:29 |

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|---|---|---|---|---|---|---|
| S31 | 17 | ("1381719" \| "20020014707" \| "3425189" \| "3831350" \| "4141698" \| "4170555" \| "4208192" \| "4649703" \| "4971768" \| "5156658" \| "5591334" \| "5855652" \| "5914454" \| "5968231" \| "6017381").PN. OR ("6964698"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 17:42 |
| S32 | 15 | ("20010038575" \| "20020031046" \| "3332401" \| "3557830" \| "3885918" \| "4270576" \| "4498786" \| "4527903" \| "4812049" \| "4899772" \| "4929088" \| "5456533" \| "5547540" \| "6135629").PN. OR ("6779786").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 17:42 |
| S33 | 5 | ("3671208" \| "3871624" \| "3918688" \| "5518311").PN. OR ("6615507").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 17:43 |
| S34 | 10 | ("4187617" \| "4380491" \| "4571311" \| "5032222" \| "5227017" \| "5232550" \| "5234672").PN. OR ("5547540").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 17:43 |
| S35 | 13 | ("3702048" \| "3966438" \| "4099925" \| "4293524" \| "4419331" \| "4762686" \| "4957716" \| "4971768").PN. OR ("5234672"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 17:43 |
| S36 | 5 | ("3519068" \| "4029144").PN. OR ("4580401").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 17:43 |
| S37 | 20 | ("0829127" \| "1312147" \| "3190618" \| "3275304" \| "3528614" \| "3671208" \| "3846519" \| "3944636" \| "4022853" \| "4026527" \| "4061476" \| "4098854").PN. OR ("4527903").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 17:43 |
| S38 | 6 | ("3846519" \| "3923935" \| "3965672").PN. OR ("4514344"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 17:43 |
| S39 | 36 | ("1088711" \| "1312147" \| "1493919" \| "3671208" \| "3868967" \| "4026527" \| "4099268").PN. OR ("4498786").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/20 17:43 |
| S40 | 1706 | 62/186.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 19:54 |

| S41 | 404 | S40 and refrigerator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 19:05 |
|-----|-----|----------------------|---------------------------------------------------|-----|-----|------------------|
| S42 | 7 | S40 and refrigerator and diffuser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 19:07 |
| S43 | 179 | S40 and refrigerator and outlet | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR· | ON | 2006/12/20 19:08 |
| S44 | 6 | 62/186.ccls. and diffusion and plate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 19:48 |
| S45 | 2 | 62/186.ccls. and vortices | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 19:48 |

| S46 | 54 | (US-20010003702-$ or US-20020151268-$ or US-20060057955-$ or US-20050202776-$ or US-20010053108-$).did. or (US-6582294-$ or US-6647734-$ or US-6742344-$ or US-6055820-$ or US-6073458-$ or US-5490395-$ or US-4616557-$ or US-4742692-$ or US-5823009-$ or US-4556172-$ or US-4616558-$ or US-4327869-$ or US-4326452-$ or US-4824023-$ or US-6059652-$ or US-5356336-$ or US-6135629-$ or US-5052285-$ or US-5230656-$ or US-4805521-$ or US-4103598-$ or US-3642093-$ or US-3010692-$ or US-1863949-$ or US-5340358-$ or US-2821898-$). did. or (US-4266722-$ or US-3881402-$ or US-4527903-$ or US-4514344-$ or US-4498786-$ or US-3455119-$ or US-2442188-$ or US-5899083-$ or US-4304098-$ or US-5743103-$).did. or (US-2684690-$ or US-3023589-$). did. or (WO-2004051165-$ or EP-538524-$ or DE-4007416-$ or WO-9111661-$ or EP-638732-$). did. or (JP-10073305-$ or JP-2002310454-$ or JP-63267861-$ or JP-02010049-$ or JP-07151108-$).did. or (DE-4325977-$).did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/20 19:55 |
|-----|-----|-----|-----|-----|-----|-----|
| S47 | 18 | S46 and refrigerator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/20 20:06 |
| S48 | 3 | S47 and vortices | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/20 19:59 |
| S49 | 1 | S48 and "heat exchanger" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 20:06 |

# EAST Search History

| S50 | 13 | S46 and "heat exchanger" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/20 20:07 |
|-----|----|--------------------------|---------------------------------------------------|----|----|-----------------|
| S51 | 36 | ("1088711" \| "1312147" \| "1493919" \| "3671208" \| "3868967" \| "4026527" \| "4099268").PN. OR ("4498786").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/21 11:08 |
| S52 | 20 | ("0829127" \| "1312147" \| "3190618" \| "3275304" \| "3528614" \| "3671208" \| "3846519" \| "3944636" \| "4022853" \| "4026527" \| "4061476" \| "4098854").PN. OR ("4527903").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/21 11:08 |
| S53 | 2 | ("4971768").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/21 14:02 |